

Title (en)
Paper feeder

Title (de)
Papierzuführvorrichtung

Title (fr)
Dispositif d'alimentation de papier

Publication
EP 1160183 A3 20030903 (EN)

Application
EP 01112868 A 20010531

Priority
JP 2000161450 A 20000531

Abstract (en)
[origin: EP1160183A2] A paper feeding roller (2) is provided in the vicinity of a first widthwise end of a transporting path extending to a recording apparatus (1). A hopper (3), for stacking a plurality of sheets of paper (P), includes an aligning face, on which leading ends of the stacked sheets are abutted to be aligned with each other. The aligning face is narrowed from a first side end thereof to a second side end thereof. Here, the first side end is in the vicinity of the first widthwise end of the transporting path, and the second side end is in the vicinity of a second widthwise end of the transporting path. The hopper includes a guide face provided on the first side end of the aligning face so as to extend parallel with the transporting path. The hopper includes a hopper member pivotably supported on the second side end of the aligning face in a cantilevered manner, so as to move on the aligning face such that distance change in accordance with the number of sheets stacked thereon in the first widthwise end side of the transporting path with respect to the paper feeding roller becomes larger than that in the second widthwise end side of the transporting path. A paper retainer (5) is provided on a paper returner (42) which is placed in the vicinity of an end portion of the hopper which faces the paper feeding roller. The paper retainer has a higher friction coefficient than the paper returner. <IMAGE>

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CPC (source: EP US)
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B65H 2301/42344 (2013.01 - EP US); **B65H 2403/512** (2013.01 - EP US)

Citation (search report)
• [AP] US 6217017 B1 20010417 - YAMAZAKI KEIICHIRO [JP]
• [A] US 5316285 A 19940531 - OLSON ALLAN G [US], et al

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